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Pre-a
7-11-02

Attorney Docket: 843/49885
PATENT

Hawkins

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: JOHANNES K. DUERR
Serial No.: 09/887,563
Filed: June 23, 2001
Title: FIBER COMPOSITE MATERIAL WITH PIEZOELECTRIC
SENSOR OR ACTOR INTEGRATED THEREIN

PRELIMINARY AMENDMENT

Box Non-Fee Amendment
Commissioner for Patents
Washington, D.C. 20231

October 16, 2001

Sir:

Please enter the following amendments to the specification, claims and abstract prior to the examination of the application.

IN THE SPECIFICATION:

Please amend the following paragraphs of the specification as follows: (A copy of a marked up version with markings to show changes made is attached hereto.)

[0003] In piezoelectric materials, such as quartz crystals or PZT-ceramics (PZT = lead - zirconate - titanate), an applied electric field results in elongations or contractions of the material. Piezoceramic actuators are therefore able to

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cont.